

PATENT Atty. Dkt. APPM/3976.P1/CMP/CMP/RKK

ED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Emami, et al.

Serial No.: 09/727,133

Confirmation No.:

Filed:

November 29, 1999

For:

Planarized Copper

Cleaning for Reduced

Defects

Assistant Commissioner for Patents Washington, D.C. 20231

Dear Sir:

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Examiner:

Unknown

CERTIFICATE OF MAILING 37 CFR 1.8

I hereby certify that this correspondence is being deposited on May 9, 2001 with the U Inited States Postal Service as First Class ant Commissioner for Mail in an

Date

Signature

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

The Applicants, and the Attorney who signs below on the basis of the information supplied by the inventor and the information in his file, submit herewith patents, publications, or other information of which they are aware, which may be material to the examination of this application and in respect of which there may be a duty to disclose in accordance with 37 CFR § 1.56.

While the information submitted in this Supplemental Information Disclosure Statement may be material pursuant to 37 CFR § 1.56, it is not intended to constitute an admission that any patent, publication, or other information referred to therein is prior art for this invention unless specifically designated as such.

In accordance with 37 CFR § 1.97, this Supplemental Information Disclosure Statement is not to be construed as a representation that a search has been made or that no other possibly material information as defined under 37 CFR § 1.56(a) exists.

The patents and/or publications submitted herewith are set forth on the attached Form PTO-1449.



Applicants certify that all references submitted with this disclosure were cited in a communication from a foreign patent office dated April 18, 2001, which communication is enclosed, not more than three months prior to the filing of this Supplemental Information Disclosure Statement.

If the sum of \$180.00 is due under 37 CFR § 1.17(p) pursuant to § 1.97, the Commissioner is hereby authorized to charge this fee, and any other fee necessary to make this submission timely, to the Deposit Account No. 20-0782/APPM/3976P1/KMT.

Respectfully submitted,

Keith M. Tackett

Registration No. 32,008

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3040 Post Oak Blvd., Suite 1500

Houston, TX 77056

Telephone: (713) 623-4844 Facsimile: (713) 623-4846 Attorney for Applicant(s)

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	B2	0 620 293 A	10-19-1994	EP	C23F	1/18			
	B3	0 859 407 A	08-19-1998	EP	H01L	21/768			
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PATENT Atty. Dkt. APPM/3976.P1/CMP/CMP/RKK

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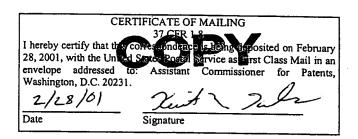
Group Art Unit: UNKNOWN

Examiner:

UNKNOWN

Assistant Commissioner for Patents Washington, D.C. 20231

Dear Sir:



INFORMATION DISCLOSURE STATEMENT

The Applicants, and the Attorney who signs below on the basis of the information supplied by the inventor and the informant in his file, submit herewith patents, publications, or other information of which they are aware, which may be material to the examination of this application and in respect of which there may be a duty to disclose in accordance with 37 CFR § 1.56.

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Respectfully submitted,

Keith M. Tackett

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Attorney for Applicant(s)

Sheet 1 of 3 sheet(s) U.S. Department of Commerce, Pate Trademark Office Serial No. (PTO Form 1449 modified) R APPM/3976.P1 09/727,133 LIST OF PATENTS AND ICATIONS CITED BY APPLICANT Applicant Confirmation No.: Emami et al. (Use several sheets if necessary) Filing Date Group Examiner UNKNOWN 11/29/00 UNKNOWN **U.S. Patent Documents** *Examiner Document Issue Applicant(s) Class Subclass Filing Date If Initial Number Date Name Appropriate **A1** 4.169.337 10/02/79 Payne 51 283 R 03/30/78 **A2** 4,588,421 05/13/86 51 Payne 308 05/20/85 A3 4,752,628 06/21/88 Payne 523 122 05/15/87 A4 4,867,757 09/19/89 Payne 51 293 09/09/88 **A5** 5,264,010 11/23/93 Brancaleoni et al. 51 308 04/27/92 A6 5,614,444 03/25/97 Farkas et al. 437 225 06/06/95 A7 5,700,383 12/23/97 Feller et al. 216 88 12/21/95 **A8** 5,738,574 04/14/98 Tolles et al. 451 288 10/27/95 **A9** 5,738,800 04/14/98 Hosali et al. 216 99 02/19/97 A10 5.756,398 05/26/98 Wang et al. 438 692 03/17/97 A11 5,769,689 06/23/98 Cossaboon et al. 451 41 02/28/96 A12 5,840,629 11/24/98 Carpio 438 692 12/14/95 A13 5,876,508 03/02/99 Wu et al 134 2 03/17/97 A14 5,911,835 06/15/99 Lee et al 134 1.3 03/27/97 A15 5,932,486 08/03/99 Cook et al. 438 692 08/15/97 **Foreign Patent Documents** *Examiner Document Date Country Class Subclass Translation Initial Number YES NO **B**1 EP 0 913 442 A2 05/06/99 EP C09G 1/02 \boxtimes B₂ WO 98/49723 11/05/98 WO H01L 21/321 X **B3** WO 00/30159 05/25/00 WO H01L 21/00 X **B4** WO 00/36037 06/22/00 WO C09G 1/02 Ø **B5** WO 00/49647 08/24/00 WO H01L 21/302 X OTHER ART *Examiner Including Author, Title, Date, Pertinent Pages, Etc. Initial Brusic, V. et al, "Copper Corrosion With and Without Inhibitors", Electrochem. Soc., 138:8, 2253-C12259, August 1991. Examiner Date Considered *EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with your communication to applicant.

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	A16	5,958,794	09/28/99	Bruxvoort et al.	438	692	08/08/96	•	
	A17	5,981,454	11/09/99	Small	510	175	02/14/97		
. •	A18	6,033,993	03/07/00	Love, Jr. et al	438	745	09/23/97		
*	A19	6,042,741	03/28/00	Hosali et al.	252	79.1	03/10/98	-	
·	A20	6,054,379	04/25/00	Yau et al.	438	623	02/11/98		
	A21	6,068,879	05/30/00	Pasch	427	97	08/26/97		
,	A22	6,117,775	09/12/00	Kondo et al	438	690	10/30/98		
·	A23	6,117,783	09/12/00	Small et al.	438	693	07/21/97	1	
	A24	6,077,337	06/20/00	Lee	106	3	12/01/98		
į.	A25	6,083,840	07/04/00	Mravic et al.	438	693	11/25/98	<u> </u>	
; -	A26	6,096,652	08/01/00	Watts et al.	438	692	11/02/97		
·	A27	09/247,381		Cheung et al.			02/10/99		
	A28	09/401,643		Li et al.			09/22/99		
	A29	09/469,708		Li et al.			12/21/99		
	A30	09/543,777		Sun et al.			04/05/00		
	A31	09/544,281		Sun et al.			04/06/00		
	A32	09/606,544		Sun et al.			06/30/00		
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	A33	09/608,078		Sun et al.			06/30/00		
•	A34	09/694,866		Wang et al.	1		10/23/00		
4	A35	09/698,863		Tsai et al.	 		10/27/00		
:	A36	09/698,864		Li et al.	 		10/27/00		
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Emani, et al.

Serial No.: 09/727,133

Confirmation No.: 2919

Filed:

November 29, 2000

Planarized Copper Cleaning for

Reduced Defects

Mail Stop Issue Fee Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Dear Sir:

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Examiner:

George A. Goudreau

CERTIFICATE UNDER 37 CFR 1.10

I hereby certify that this correspondence and the documents referred to as attached therein are being deposited on April 14, 2004 with the United States Postal Service in an envelope as "Express Mail Post Office to Addressee," mailing label No. EV331235225US addressed to: Mail Stop Issue Fee Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

TRUE COPY OF PREVIOUSLY SUBMITTED INFORMATION DISCLOSURE **STATEMENTS**

Applicants respectfully resubmit a true copy of previously submitted Information Disclosure Statements, including a prior submission of copies of the previously submitted Information Disclosure Statements on July 24, 2003, and the Auto-Reply Facsimile Transmission from the United States Patent and Trademark Office. Copies of the respective postcard receipts for the previously submitted Information Disclosure Statements are attached hereto. A copy of the Office Action dated August 1, 2003, indicating the respective Information Disclosure Statements that were considered by the Examiner is also attached hereto.

Respectfully submitted,

Brian K. Hrna

Registration No. 41,852

Moser, Patterson, & Sheridan, L.L.P.

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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Group Art Unit: UNKNOWN

Examiner:

UNKNOWN

Assistant Commissioner for Patents Washington, D.C. 20231

Dear Sir:

CERTIFICATE OF MAILING 37 CFR 1.8 I hereby certify that this correspondence is being deposited on April 6, Service as First Class Mail in an ommissioner for Patents, envelope Date Signature

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

The Applicants, and the Attorney who signs below on the basis of the information supplied by the inventor and the informant in his file, submit herewith patents, publications, or other information of which they are aware, which may be material to the examination of this application and in respect of which there may be a duty to disclose in accordance with 37 CFR § 1.56.

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Respectfully submitted,

Keith M. Tackett

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Telephone: (713) 623-4844 Facsimile: (713) 623-4846

Attorney for Applicant(s)

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T-252 P.001/012 F-239 +713 023 4840 From Moser. Patterson & Sheridan L.L.P. MOSER, PATTERSON & SHERIDAN, L.L.P. Attorneys at Law 3040 Post Oak Boulevard, Suite 1500 **FACSIMILE COVER SHEET** AMAT/3978.P1/CMP/CMP/RKK Sertal No. 09/727,133 DATE: July 24, 2009 FILE NO: TO: 703/872-9310 Examiner George Goudreau FAX NO: COMPANY: USPTO FROM: Marie Henderson Assistant to Keith Tankett PAGE(S): MESSAGE: Original to Follow **∐** YES ⊠ NO Requested copies of Information Disclosure Statements.

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MOSER, PATTERSON & SHERIDAN, L.L.P.

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DATE:	July 24, 2003	FILE NO:	AMAT/3976.P1/CMP/CMP/RKK Serial No. 09/727,133			
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